IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for performing channel configuration in a micro or pico cell network located in the operating area of a macro cell network, comprising:

selecting, in the micro or pico network, as the channel to be tested, a logical control channel to be transmitted on the physical channel of a macro cell in the macro cell network,

directing a base station of the micro or pico cell network and terminals within the coverage area of the base stations of the micro or pico cell network to use the control channel to be tested,

establishing, by remote control, a connection between two or more terminals through base stations serving the terminals on the control channel being tested and making a measurement report on the quality of the connection,

selecting, as the channel to be tested, the next control channel of a macro cell of the macro cell network until the control channels of all desired macro cells have been tested,

determining, on the basis of the measurement reports, the control channels whose use guarantees the best range in the micro or pico cell network, and

directing the base stations of the micro or pico cell network to use the control channels of the macro call network guaranteeing the best range.

2. (Previously Presented) A method as claimed in claim 1, wherein the macro cell network and the micro or pico cell network are controlled from the same location.

3. (Previously Presented) A method as claimed in claim 1, wherein the macro cell network and the micro or pico cell network are synchronised with each other.

4. (Previously Presented) A method as claimed in claim 1, wherein a BCCH (broadcast control channel) is used as the control channel of the macro cell network.

5. (Previously Presented) A method as claimed in claim 1, wherein office base stations are used as the base stations of the micro or pico cell network.

6. (Previously Presented) A method as claimed in claim 1, wherein mobile phones are used as the terminals.

7. (Previously Presented) A method as claimed in claim 1, wherein a threshold value that the connection quality must meet is used in evaluating the quality of the connection.

8. (Previously Presented) A method as claimed in claim 7, wherein a bit error ratio is used as the threshold value.

9. (Previously Presented) A method as claimed in claim 1, wherein the terminal controller of the micro or pico cell network, controlling the operation of the terminals, is controlled through a data network connected to the micro or pico cell network.

10. (Previously Presented) A method as claimed in claim 1, wherein the channel configuration of the micro or pico cell network is performed when configuring the micro or pico cell network.

11. (Previously Presented) A method as claimed in claim 1, wherein the channel configuration of the micro or pico cell network is performed at regular intervals.

12. (Previously Presented) A method as claimed in claim 1, wherein the physical channel of a macro cell is a time-slot of a radio frequency, and the logical control channel of the macro cell is directed to be transmitted at its time through each time-slot of said frequency.

13. (Currently Amended) A cellular radio network comprising one or more macro cell base stations, each coverage area being a macro cell and the macro cells forming a macro cell network; a micro or pico cell network operating in the operating area of the macro cell network, which micro or pico cell network comprises at least one base station and at least one terminal in radio connection with the base station, wherein

the cellular radio network also comprises a controller coordinating the channel configuration, the controller comprising means for selecting, in the micro or pico cell

network, as the channel to be tested, a logical control channel to be transmitted on a physical channel of the macro cell, means for directing the base station of the micro or pico cell network to use the control channel to be tested, means for establishing, by remote control, a connection between two or more terminals through the base stations serving the terminals on the control channel being tested, means for making a measurement report on the connection quality, means for selecting, as the control channel to be tested, the next control channel of a macro cell until the control channels of all desired macro cells have been tested, means for determining, on the basis of the measurement reports, the channels whose use guarantees the best range in the micro or pico cell network, and means for directing the base stations to use the channels guaranteeing the best range.

14. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the cellular radio network comprises a network management system for managing the macro cell network and the micro or pico cell network.

15. (Previously Presented) A cellular radio network as claimed in claim 14, wherein the network management system is arranged to synchronise the cellular radio network and the macro cell network.

16. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the control channel of the macro cell network is a BCCH (broadcast control channel).

17. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the base stations of the micro or pico cell network are office base stations.

18. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the terminals are mobile phones.

19. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the controller is arranged to use in evaluating the quality a threshold value that the connection quality must meet.

20. (Previously Presented) A cellular radio network as claimed in claim 19, wherein the controller is arranged to use a bit error ratio as the threshold value in evaluating the quality of the connection.

21. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the cellular radio network comprises a data network for transmitting information in the cellular radio network and a terminal controller for controlling the terminals, and the controller is arranged to control the terminal controller through the data network.

22. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the controller comprises means for performing channel configuration when configuring the cellular radio network.

23. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the controller comprises means for performing channel configuration of the cellular radio network at regular intervals.

24. (Previously Presented) A cellular radio network as claimed in claim 13, wherein the physical channel of the macro cell is a time-slot of a radio frequency, and the logical control channel is directed to be transmitted at its time through each time-slot of said frequency.